St Michael's C.E Primary School

Science Curriculum 2025-2026

Science is the intellectual and practical activity encompassing the systematic study of the structure and behaviour of the physical and natural world through observation and experiment.

Intent - At St Michael's, Science promotes and implements a range of knowledge, skills and understanding of nature, processes, and methods of scientific enquiry. We challenge all pupils to question their ideas and create a safe and fair environment to encourage this.

A Scientist at St Michaels works accurately and precisely. They are curious and ask questions to explore and test predictions and theories.

Biology - is the Science of life and living organisms.

Chemistry - is a branch of science that studies what everything is made of and how it works.

Physics - is a branch of science that helps is understand how objects, forces and energy all interact.



Spirituality Across the Curriculum

Our definition of spirituality at St Michael's CE Primary School:

To talk about spirituality is to talk about something which is beyond words.

Spirituality is linked to big questions about the meaning and purpose of life; it includes ideas relating to oneself, others, the natural world and the transcendent.

We refer to this as: The stillness of the mind The settling of the soul

The uplifting of the spirit

Being at one in the world and finding meaning and purpose in life.
For some, but not all, this will be experienced, expressed or explained through faith or belief.

When discussing this with our pupils, we refer to spirituality as:

The way WOWS, OWS and NOWS shape me into the person that I am and will become.

Spiritual development contains many facets and it is concerned with a number of areas of an individual's life. Therefore, when developing spirituality in pupils and adults, we, in line with our distinctively Christian vision and our school's definition for spirituality, look at four key areas: self, others, transcendence (beyond), and nature.



Spirituality Opportunities

Self

Opportunities

- After experiments, hold discussions about the wonder of scientific discovery. Ask pupils how these experiences make them feel and what questions they have about the world.
- Discuss how our senses help us experience the world and connect with others, fostering gratitude and awareness.
- Opportunity to explore personal faith and how this reflects on their scientific views.
- To love and respect our own bodies and have an understanding of how our bodies are unique.
- Facilitate discussions about the vastness of the universe and what it
 means to be part of something so large. Prompt pupils to think about
 their place in the universe and what they find awe-inspiring about it.
- Discuss the concept of growth and change, relating it to personal experiences. Ask pupils to reflect on their own growth and the changes they have experienced in their lives.
- Encourage pupils to think about their responsibilities towards the environment. Discuss the idea of stewardship and how caring for the Earth can be seen as a spiritual practice.
- Discuss the interconnectedness of body, mind, and spirit. Encourage
 pupils to reflect on what it means to be healthy and how they can care
 for themselves holistically.

Potential Question Prompts

- How does this work?
- Why has this happened?
- How are you unique?
- How can you make a difference in the world?
- How does understanding the human body and mind help you appreciate your own existence?
- How can learning about genetics and heredity influence your sense of identity and purpose?

<u>Others</u>

Opportunities

- To care for habitats to reinforce the understanding of unity and interconnectedness. Children feel part of a larger whole, fostering a sense of belonging and purpose.
- Taking responsibility of the environment is a way of fulfilling our responsibilities towards others and future generations, producing a stillness of the mind.
- To explore significant people and the wows in their field.
- Encourage pupils to reflect on teamwork and collaboration. Discuss the importance of listening to different viewpoints and how working together can lead to better outcomes.
- Facilitate discussions on how science can address social issues and improve lives. Encourage pupils to think about their role in advocating for others and promoting equity.

Potential Question Prompts

- Why should we care for habitats?
- What are the wows and ows in the stories behind the significant people you study?
- How can scientific advancements in medicine and technology improve the well-being of others?
- What role does empathy play in scientific research and healthcare?
- How can understanding ecosystems and biodiversity help us work together to protect our planet?



Transcendence

Opportunities

- Opportunity to explore how living organisms adapt to their ecosystems.
- How each organism plays a role, connecting to the idea of 'being at one
 in the world'.
- Having a sense of how states of matter impact the world around us.
- Opportunity to be grateful for the world around us.
- Encourage pupils to reflect on the vastness of the universe and their connection to it. Discuss questions like, "What do you feel when you look at the night sky?" or "How does understanding the universe change your perspective on life?"
- Discuss the themes of transformation and renewal. Ask pupils to reflect on their own experiences of change and growth, and how these experiences connect them to the larger cycle of life.
- Discuss the importance of caring for the Earth and how this reflects a commitment to future generations. Encourage pupils to think about how their actions can lead to positive change in the world.

Potential Question Prompts

- How do living organisms survive?
- How do living organisms adapt to their surroundings?
- I wonder how animals survive?
- What would happen if there was no water to evaporate?
- How do scientific discoveries about the universe expand our understanding of the divine or the transcendent?
- What are the similarities and differences between scientific and spiritual explanations of the origins of life?
- How can studying the vastness of space inspire a sense of wonder and connection to something greater than ourselves?

<u>Nature</u>

Opportunities

- Appreciating the beauty in nature and understand the differences and similarities in plants and eco-systems and how they are interconnected.
- Discuss the idea that all living things are part of a better system and depend on each other fostering a sense of connection to the natural world.
- Appreciating the natural world around us and how the time taken to produce the natural elements of the world.
- Organising trips to learn about ecosystems, observe wildlife, and understand biodiversity. These experiences can inspire a sense of awe and interconnectedness with the natural world.
- Taking time to appreciate the natural world.
- Grow plants under different conditions to study the factors that affect growth, such as light, water, and soil type. Reflect on the miracle of growth and the spiritual lessons of nurturing and patience.
- Keep journals to record observations of seasonal changes in the local environment. Reflect on the spiritual significance of seasons and cycles in nature.

Potential Question Prompts

- What are the differences and similarities in plants and eco-systems?
- How are the living things dependent on each other?
- How does learning about the natural world enhance your appreciation for the environment?
- What spiritual lessons can we draw from the cycles and systems observed in nature?
- How can scientific knowledge about climate change motivate us to take better care of our planet?

St Michael's CE Primary Science Curriculum 2025-2026



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery			Science Skills – See Nursery	Curriculum for further detail	e e	
Reception		S	cience Skills – See Receptior	r Curriculum for further deta	ali	
Year I	Animals Including Humans What body parts make me, me? Key Scientist; Marie Daly	at body parts make me, me? How can you identify the different seasons? Key Scientist: Marie Daly		Materials Seasonal Changes Why do we use different materials for different things? seasons? Key Scientisti Albert Einstein		Animals Including Humans How can you identify and group a variety of common animals? Seasonal Changes How can you identify the different seasons? Key Scientists David Attenbourough
Year 2	How are materials	of Materials s chosen in design? a: Marie Curie	How are animals suit	nd their Habitat ed to their environment? vles Henry Turner	Animals including Humans How do the basic needs of animals help them to survive? Key Scientist: Jane Goodall	Plants What do plants need to grow?
Year 3	Rocks and Soils What's the difference between rocks and soils? Key Scientist: Anjana Khatwa	Can you describe how objects can be fore	d Magnets v affected by contact and non-contact ces? William Gilbert	Plants Why is water an important factor of a plant cycle? Key Scientisti George Washington Carver	Light What is the connection between light and shadows and how do they affect each other? Key Scientist: Percy Shaw	Animals Including Humans Why is it important for humans to have a skeletal system? Key Scientist: Adelle Davis
Year 4	Living Things and their Habitats How do environments change and why can this endanger living things? Key Scientisti Rachel Carson	Electricity Does everything shiny conduct electricity? Key Scientist: Lewis Latimer	What is sound and	und how is it produced? st: Aristotle	States of Matter Can any material be classified as a solid, liquid or gas? Key Scientist: David Farenheit	Animals Including Humans Why are food chains important? Key Scientist: William Beaumont
Year 5	Earth and Space How is the position and movement of the earth responsible for day, night and years? Key Scientisti Galileo/Copernicus and Ptolemy Stephen Hawking Mae Jamison	Living Things and their Habitats Are all animal life cycles the same? Key Scientist: Jane Goodall	How are objects affected by co	rces intact and non-contact forces? Isaac Newton	Properties of Materials Do the physical properties of materials determine their uses? Key Scientist: Spencer Silver	Animals Including, Humans Why do humans change as they develop to old age? Key Scientist: Virgin Apagar
Year 6	Light What is the connection between light and shadows and how they affect each other? Key Scientisti Ibn al-Haytham (Alhazen) Ibn Sahl -	Animals including Humans Can each body system work independently from one another? Key Scientisti Daniel Hale William	Does survival of the fittest always m one ar Key Scientisti (Evolution and Inheritance and their Habitat rvival of the fittest always mean the species are competing against one another? Key Scientist: Charles Darwin Mary Anning		Electricity Will the components in a circuit always have the same effect? Key Scientisti Mildred Dresselhaus



Early Years Foundation Stage Educational Programme

Understanding the World

Understanding the world involves guiding children to make sense of their physical world and their community. The frequency and range of children's personal experiences increases their knowledge and sense of the world around them - from visiting parks, libraries and museums to meeting important members of society such as police officers, nurses and firefighters. In addition, listening to a broad selection of stories, non-fiction, rhymes and poems will foster their understanding of our culturally, socially, technologically and ecologically diverse world. As well as building important knowledge, this extends their familiarity with words that support understanding across domains. Enriching and widening children's vocabulary will support later reading comprehension

National Curriculum - Science

Purpose of study

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Aims

The national curriculum for science aims to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them

are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

National Curriculum - Key stage I

The principal focus of science teaching in key stage I is to enable pupils to experience and observe phenomena, looking more closely at the natural and humanly-constructed world around them. They should be encouraged to be curious and ask questions about what they notice. They should be helped to develop their understanding of scientific ideas by using different types of scientific enquiry to answer their own questions, including observing changes over a period of time, noticing patterns, grouping and classifying things, carrying out simple comparative tests, and finding things out using secondary sources of information. They should begin to use simple scientific language to talk about what they have found out and communicate their ideas to a range of audiences in a variety of ways. Most of the learning about science should be done through the use of first-hand practical experiences, but there should also be some use of appropriate secondary sources, such as books, photographs and videos.

'Working scientifically' is described separately in the programme of study, but must always be taught through and clearly related to the teaching of substantive science content in the programme of study. Throughout the notes and guidance, examples show how scientific methods and skills might be linked to specific elements of the content.

Pupils should read and spell scientific vocabulary at a level consistent with their increasing word reading and spelling knowledge at key stage I.



National Curriculum - Lower Key stage 2 - Year 3 and 4

The principal focus of science teaching in lower key stage 2 is to enable pupils to broaden their scientific view of the world around them. They should do this through exploring, talking about, testing and developing ideas about everyday phenomena and the relationships between living things and familiar environments, and by beginning to develop their ideas about functions, relationships and interactions. They should ask their own questions about what they observe and make some decisions about which types of scientific enquiry are likely to be the best ways of answering them, including observing changes over time, noticing patterns, grouping and classifying things, carrying out simple comparative and fair tests and finding things out using secondary sources of information. They should draw simple conclusions and use some scientific language, first, to talk about and, later, to write about what they have found out.

'Working scientifically' is described separately at the beginning of the programme of study, but must always be taught through and clearly related to substantive science content in the programme of study. Throughout the notes and guidance, examples show how scientific methods and skills might be linked to specific elements of the content.

Pupilo should read and spell scientific vocabulary correctly and with confidence, using their growing word reading and spelling knowledge.

National Curriculum - Upper Key stage 2 - Year 5 and 6

The principal focus of science teaching in upper key stage 2 is to enable pupils to develop a deeper understanding of a wide range of scientific ideas. They should do this through exploring and talking about their ideas; asking their own questions about scientific phenomena; and analysing functions, relationships and interactions more systematically. At upper key stage 2, they should encounter more abstract ideas and begin to recognise how these ideas help them to understand and predict how the world operates. They should also begin to recognise that scientific ideas change and develop over time. They should select the most appropriate ways to answer science questions using different types of scientific enquiry, including observing changes over different periods of time, noticing patterns, grouping and classifying things, carrying out comparative and fair tests and finding things out using a wide range of secondary sources of information. Pupils should draw conclusions based on their data and observations, use evidence to justify their ideas, and use their scientific knowledge and understanding to explain their findings.

'Working and thinking scientifically' is described separately at the beginning of the programme of study, but must always be taught through and clearly related to substantive science content in the programme of study. Throughout the notes and guidance, examples show how scientific methods and skills might be linked to specific elements of the content.

Pupils should read, spell and pronounce scientific vocabulary correctly.



<u>Progression in Science</u>

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				Scientific	Skille			
Asking questions and recognising that they can be answered in different ways	I am beginning to ask questions relating to a theme. I can explore the Nursery environment and resources.	I can explore what has changed since we were last at school. I can talk about why things happen and how things work	I can explore the world around me and raise my own questions. I can ask people questions.	· I can ask questions and know they can be answered in different ways:	· I can ask questions and use different types of scientific enquiries to answer them	I can ask questions and use different types of scientific enquiries to answer them,	I can pose my own scientific questions to further my own understanding.	I can pose my own scientific questions to further my own understanding:
Making observations and taking measurements	I can make observations and discuss simple similarities and differences:	· I can make observations of animals and plants and explains why some things occur, and talks about changes · I can compare plants that have been observed · I can make observations of changes that take place to caterpillars over time	· I can work scientifically by observing closely to compare and contrast	· I can watch closely using equipment. I can use the local environment to observeI can observe and record with some accuracy.	· I can make observations and take measurements using standard units, using a range of equipment including thermometers and data loggers	· I can make observations and take measurements using standard units, using a range of equipment, including thermometers and data loggers.	· I can take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate	· I can take accurate measurements, using a range of scientific equipment, taking repeat readings when appropriate.



Engaging in practical enquiry to answer questions	I can work with an adult to conduct simple tests (explore materials, forces I can feel, observations of plants)	I can observe how plants and trees change I can explore how do plants and trees look/feel/smell? I can make observations of animals and plants and explains why some things occur, and talks about changes I can observe changes that take place to caterpillars over time	· I can make simple predictions · I can use scientific practical activities to experience a variety of scientific enquiry and questioning; · I can ask people questions and use simple secondary; equipment to find answers; · I can perform simple tests to explore questions · I can start to understand the importance of fair testing	· I can make simple predictions I can perform simple tests. · I can use scientific practical activities to experience a variety of scientific enquiry and questioning. · I can ask people questions and use simple secondary equipment to find answers. · I can start to understand the importance of fair testing	· I can predict whether two magnets will attract or repel each other, depending on which poles are facing · I can examine and conduct practical experiments on various types of rocks to group them on the basis of their appearance and simple physical properties · I can compare and group some materials on the basis of whether or not they are attracted to a magnet · I can set up simple practical enquiries,	· I can predict if a lamp will light or not in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery ·I can investigate materials that change state and and measure or research the temperature at which this happens in degrees Celsius (°C) · I can set up simple practical enquiries; comparative and fair tests.	I can make a prediction about what will happen based on my previous scientific knowledge I can plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.	I can make a prediction about what will happen based on my previous scientific knowledge I can plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
		time			practical enquiries, comparative and fair tests			



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Recording and presenting evidence	I can work with an adult to record and discuss our findings: (e.g rain catcher)	I can work with an adult to record and discuss our findings. (e.g. weather chart adding to a pictogram to show weather patterns)	· I can sort and group simple features of objects and materials; observing changes over time; · I can record the number of instances in a simple table; · I can identify and classify into different classification of groups; · I can create charts and tables to present my findings	I can create tables and charts to display information. I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables. I can name and group. I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantities.	· I can gather, record, classify and present data in a variety of ways to help with answering questions. · I can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables I can interpret and present data using bar charts, pictograms and tables. I can interpret data presented in many contexts.	· I can gather, record, classify and present data in a variety of ways to help with answering questions. · I can record findings using simple scientific language, drawings; labelled diagrams; keys, bar charts, and tables I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. · I can construct and draw with labels a simple series electrical circuit which includes cells, wires, bulbs, switches and buzzers.	· I can record data and results of increasing complexity, using scientific diagrams and labels, classification keys, tables, scatter graphs. bar and line graphs. I can interpret discrete and continuous data using appropriate graphical methods, including compound bar charts and time graphs, where more than one set of data is represented.	C.E. Primary School I can record complex data and results using scientific diagrams and labels; classification keys; tables; scatter graphs; bar and line graphs. I can interpret discrete and continuous data using appropriate graphical methods; including compound bar charts and time graphs where more than one set of data is represented. I can interpret and construct pie charts and line graphs and use these to solve problems:
Answering questions and concluding	I can explore the school grounds and talk about what I find and notice.	I can discuss what has changed since we were last at school? I can talk about the features of my own immediate environment and how environments might vary from one another	-I can conclude an experiment I can explore my local environment to answer questions about animals in their habitat	I can conclude an experiment	I can use straightforward scientific evidence to answer questions or to support my findings. I can summarise my findings and write a conclusion using scientific language.	I can use straightforward scientific evidence to answer questions or to support my findings. I can summarise my findings and write a conclusion using scientific language	·I can identify scientific evidence that has been used to support or refute ideas or arguments. I can summarise my findings and write a conclusion using precise language and comparative adjectives	· I can identify scientific evidence that has been used to support or refute ideas or argument I can summarise my findings and write a conclusion using precise language and comparative adjectives



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Evaluating and raising further questions and predictions			· I can use my observations and ideas to suggest answers to questions:	. I can use my observations and ideas to suggest answers to questions	I can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.	-I can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.	· I can use test results to make predictions to set up further comparative and fair tests.	· I can use test results to make predictions to set up further comparative and fair tests.
Communicating their findings.	I can discuss observations I have made about seasonal change	I can talk about why things happen and how things work I can discuss how plants and trees look/feel/smell? I can discuss observations I have made about seasonal change.	or communicate what I have discovered using simple scientific language. I can use the language of time to describe and compare changes over time. For example - quicker / slower / earlier / later: I can observe and communicate the changes in the weather and the seasons:		· I can report on findings from enquiries, including spoken and written explanations, displays or presentations of results and conclusions. ·I can explain differences, similarities or changes related to simple scientific ideas and processes.	I can report on findings from enquiries, including spoken and written explanations of results and conclusions. I can explain differences, similarities or changes related to simple scientific ideas and processes.	· I can talk about and present findings from enquiries, including conclusions, causal relationships and explanations of how reliable the information is.	· I can report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.



C.E. Primary School												
	Knowledge - Biology											
	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
Animals Including Humans	I can name familiar animals. I am beginning to understand what animals need to survive. I can name my body parts. I can suggest some ways to look after my body. I can understand the key features of a life cycle.	I can Identify body parts, noticing things that are the same and different compared to peers. I can sequence growth of a human knowing about the 5 senses and the body parts that are used. I can identify UK nocturnal animals. I know how to care for pets and animals and what animals need to survive. I can observe changes that take place to caterpillars over time. I can understand the life cycle of a butterfly.	· I can spot and name a variety of common animals that are carnivores; herbivores and omnivores: ·I can describe and compare the structure of a variety of common animals: ·I can name, draw and label the basic parts of the human body and say which part of the body is to do with each sense: ·I can identify and name a variety of common animals including fish, amphibians; reptiles, birds and mammals: ·I can identify and name a variety of common animals that are carnivores; herbivores and omnivores:	I can explain that animals, including humans, have babies which grow into adults. I can explain the needs of animals, including humans, for survival. I can explain the importance of exercise, eating healthily and keeping clean. I can explain howarimals get their food from plants and other animals using a simple food chain.	· I can explain why humans and some other animals have skeletons and muscles. · I know that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.	. I can explain some parts of the digestive system in humans I can explain the different types of teeth in humans and what they do: . I can describe and explain a variety of food chains, naming producers, predators and prey	· I can describe the changes as humans develop to old age. · I can describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. · I can describe how some animals and plants reproduce.	· I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. · I can recognise the impact of diet, exercise, drugs and lifestyle on the way the body functions. · I can describe the ways in which nutrients and water are transported within animals, including humans. · I can describe how plants, animals and micro-organisms are classified into broad groups according to common observable characteristics and based on similarities and differences. · I can give reasons for classifying plants and animals based on specific characteristics.				



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Plants and	I am	I can observe	· I can name some	\cdot I can explain how	.· I can explain	· I can show that	\cdot I can describe how	· I can give reasons
	beginning to	how plants and	common wild and	seeds and bulbs	what different parts	living things can be	some animals and	for classifying plants
Trees	understand	trees change	garden plants,	grow into plants.	of flowering plants	grouped together in	<mark>plants reproduce</mark>	and animals based
	the need to	_	including	· I can describe how	do:	various ways.		on specific
	respect and	I can explore	deciduous and	plants need water,	· I know the	· I can explore and		characteristics.
	care for living	how do plants	evergreen trees.	light and a suitable	requirements of	use classification		· I can describe how
	things:	and trees	· I can name and	temperature to grow	plants for life and	keys to help group,		plants, animals and
	Т	look/feel/smell?	describe the basic	and stay healthy. • I can name some	growth and how	identify and name a		micro-organisms are
	I can understand	I can identify	structure of a variety of common	plants and animals in	they vary from	variety of living		classified into broad
	the key	changes to plants	flowering plants,	their habitats	plant to plant.	things.		groups according to
	features of a	and flowers.	including trees.	including micro-				common observable
	life cycle	a w powers.	dictioning dess.	habitats.	· I know the part	· I can explain that		characteristics and
	apo ogaca	I Know what		· · · · · · · · · · · · · · · · · · ·	that flowers play in	environments can		
	I can show	plants need to			the life cycle of	change and that this		based on similarities
	care and	grow:			flowering plants,	<mark>sometimes means</mark>		and differences.
	concern for	0			including	<mark>that living things</mark>		
	the	I can compare			pollination, seed	are put in danger		
	environment.	plants that have			formation and seed			
		been observed			dispersal			
Seasonal	I can name	I know what	• I can explain		\cdot $\mathrm I$ can explain that		· I can explain day	
	the 4 seasons.	clothes we wear	changes through		light from the sun		and night, and the	
Changes		in this season,	autumn, winter;		can be dangerous		apparent movement	
	I can make		spring and summer:		and that there are		of the sun across the	
	observations	I can look	\cdot I can describe the		ways to protect		sky, using the idea of	
	and discuss	closely at	weather in autumn,		eyes.		the Earth's rotation	
	similarities	similarities,	winter, spring and		Cycs.		a to Lara vo roctatoro	
	and to	differences,	summer and that					
	differences	patterns and	the days get longer					
	between the	change in nature.	and shorter					
	seasons:	I can use the						
		weather chart						
		daily by adding						
		to a pictogram to						
		show weather						
		patterns						
		1						
		I can recognise						
		senses linked to						
		the seasons						
		I can say						
		changes to plants						
		and flowers						



Things and their Habitates I can see and comments their Habitates I can see and content for airmois execution the garden plants and content for airmois executions and content for airmois execution airmois to content for airmois executions and content for airmois executions and content for airmois execution airmois executions. The content for airmois executions are dispersent for airmois executions and content for airmois executions. The content for airmois executions are airmois executions and content for airmois executions are airmois executions. The content for airmois executions are airmois executions and content for airmois executions are airmois executions. The content for airmois executions are airmois executions and content for airmois executions are airmois executions. The content for airmois executions are airmois executions and airmois executions are airmois executions. The content for airmois executions are airmois executions and airmois executions are airmois executions. The content for airmois executions are airmois executions and airmois executions. The content for airmois executions are airmois executions. The content for airmois executions are airmois executions are airmois executions. The content for airmois executions are airmois executions are airmois executions. The content for airmois executions are airmois executions are airmois executions. The content for airmois executions are airmois executions. The content for airmois executions are airmois executions are airmois execu	_					1		_	T	C.E. Primary School
Things and their Habitats I am beginning to discuss a continuous and animals seed to understand what animals need to understand the environment of the environment		Liwing								U
I am beginning to understand what animals need to survive and concern for lare environment. I can what animals of the environment and concern for lare environment and concern for lare environment animals of realizes plants of realizes plants of the environment animals. I can septian be animals of concern for lare environment animals of realizes plants of realizes plants of the environment environment animals. I can septian how animals in the environment envi		U	l J					living things can be	differences in the life	for classifying plants
Habitate I am beginning to understand what namelia need to survive and concern for lung things and I can show water animals of corticer of plants? I can show water animals of the environment are early plants and survive animals of the environment the animals? I can show water animals of the environment the animals? I can show water animals of the environment the animals? I can show water animals of the environment the animals? I can show water animals of the environment the animals? I can show water animals of the environment the animals? I can show water animals of the environment that animals of the environment that are carrivores, and the structure of a common namels that are carrivores and some on whether animals in their habitate within the animals? I can show water animals with them and depend on each other animals in their habitate within the animals. I can explain that are carrivores and animals in the environment the animals? I can water for a content plants and the tribute of the common namels that are carrivores and animals in the environment that are animals in the environment th		U	animals.	animals.			the life cycle of	grouped together in	cycles of a mammal,	and animals based
Habitats Formulation for the content of survive understand what animals need to survive understand the formulation for each to survive understand the formulation for each to survive understand the formulation for each to survive understand the environment of the environment o		their	т	T				various ways.	an amphibian, an	on specific
understand, what animals need to survive what or are and concern for the environment. I can show write environment. I can understand how write environment. I can explain how and depend out of the environment including trees. I can explain how and depend out of the environment including micro-thanges through authors get their name a variety of continuous get their name in variety of common animals that are cantuous each offer animals using a compare the structure of a variety of common animals including pick and name a variety of fluxing. II can name and describe how some animals and plants and adeptation seet describe how some animals and plants and adeptation which suit them and depend out on the environment in such that them and depend of the environment in the substitute of a variety of control in the environment in the limits and depend on the environment in the substitute of a variety of fluxing. I can explain that the variety of fluxing things and environment in the things thrings and environment in dispersal. I can explain that the variety of things. I can explain the environment in the battle including micro-thanges through a substitute of a variety of the environment in the limits and there in the substitute of a variety of fluxing through the environment in the things thrings and environment in the things thrings. I can explain how are variety of fluxing thrings and that the								· I can explore and	insect and a bird.	characteristics.
what cannot need to survive end concern for the environment. I can show care and concern for the environment. I can understand how water adjects the animals of the environment. I can understand how water adjects the animals of the environment. I can spot and concern for the environment. I can understand how water adjects the animals of the environment of the environment. I can understand how water adjects the animals of the environment. I can understand how water adjects the animals of the environment of the environment. I can understand how water adjects the animals of the environment o		Tabuais					pollination, seed	use classification	· I can describe how	· I can describe how
need to survive and concern for live in habitate which sait them and depend on concern for the environment. I can show care and concern for live in habitate which sait them and depend on concern for the environment. I can understand how writer affects the animals or creatures plants trees. I can explain that environments the environments trees. I can was plants and only things. I can explain that environments can change and that this sometimes means that living things and aimme a variety of living. I can explain that environments can change and that this sometimes means that living things are plants trees. I can explain that environments to common aimmals that are carmivores, herbivores and contempt the structure of a variety of common aimmals. I can show the environment of the environments of the environment of the environment of the environments of the environment				survive			formation and seed	V	some animals and	plants, animals and
survive and concern for lungs things and I can show care and concern for lung three environment. I can understand the environment of the environment of the environment of the environment. I can understand how writer affects the animals/ creatures/plants/ trees. I can describe and common animals that received environments of the environment of the environment. I can describe and common animals that are carried and common animals. I can describe and common animals of the animals of the animals of the animals using a simple food chain. I can describe and common animals. I can describe and common				I can show care					plants reproduce	
Loan show care and concern for the environment and plants and concern for the environment th								0.0		
I can show concern for I can understand the environment office the animals with the environment of the envir								0 0		•
care and concern for the environments. I can understand the environments of fects the animals of creatures plants of trees. I can explain that the environments of fects the animals of creatures plants of the plants and animals in the environments of the environmen			I can show					U		
concern for the how winter affects the animals orealizes plants of these summers and earlier of a variety of common animals of structure of a variety of common animals or variety of common a			care and			plants and animals in		!		
how winter affects the animals/ creatures/ plants/ trees I can variety of common animals animals including fish amphians reptiles birds and mammals. I can variety of common animals including fish amphians reptiles birds and mammals. I can variety of common animals including fish amphians reptiles birds and mammals.			concern for	I can understand	<mark>changes through</mark>					
any from the continue of any part and summer any and summer any part and summer and part and part any part and summer any part and summer and part and par			the					U		
and a variety of common animals get their food from plants and other animals using a simple food chain food chains. Including him animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of common animals including fies and name a variety of conditions are explain that and subtraction of their parents are adapted to suit their environment in different ways and can explain that adaptation may lead.			environment.							00
trees common animals that are carniveres, herbivores and omniveres. I can describe and compare the structure of a variety of common animals. I can identify and name a variety of common animals including fish amphibians; reptiles birds and mammals.										
that are carnivores, herbivores and omnivores. I can describe and compare the structure of a variety of common animals. I can identify and name a variety of common animals including jish amphibians, reptiles birds and mammals.				!						
herbivores and omnivores I can describe and compare the structure of a variety of common animals: I can dentify and name a variety of common animals including fish amphibians: reptiles birds and mammals: herbivores and omnivores I can describe and compare the structure of a variety of common animals: I can dentify and name a variety of common animals including fish amphibians; reptiles birds and mammals: a simple food chain. I can explain that animals producers, predators and prey and prey food chains, naming producers, predators and prey and prey and prey and prey file same offspring of the same kind, but normally are not identical to their parents I can explain that are not identical to their parents I can explain that are not identical to their parents including fish and mammals are not identical to their parents including fish are not identical to their parents including fish are not identical to their parents are not identical to their parents if and prey are not identical to their parents if and prey are not identical to their parents if and prey are not identical to their parents if and prey are not identical to their parents if and prey are not identical to their parents if any producers, predators and prey and prey				trees						
omniveres I can describe and compare the structure of a variety of common animals. I can identify and name a variety of common animals including fish amphibians reptiles, birds and mammals.										
I can describe and compare the structure of a variety of common animals. I can identify and name a variety of common animals including fish amphibians; reptiles, birds and mammals.								, ,		
compare the structure of a variety of common animals. I can identify and name a variety of common animals including fish amphibians, reptiles, birds and mammals.										0
structure of a variety of common animals. I can identify and name a variety of common animals including fish. amphibians, reptiles, birds and mammals.								and prey		
variety of common animals: I can identify and name a variety of common animals are adapted to suit including fish. amphibians: reptiles, birds and reptiles, birds and mammals: adults. I can give examples of how animals are adapted to suit their environment in different ways and can explain that adaptation may lead										the state of the s
animals I can identify and name a variety of common animals including fish, amphibians reptiles, birds and remands.										
name a variety of common animals and plants are adapted to suit including fish. Including fish										U U
name a variety of common animals and plants are adapted to suit their environment in amphibians, reptiles, birds and mammals.					· I can identify and					
including fish, amphibians; reptiles; birds and mammals. their environment in different ways and can explain that adaptation may lead										
amphibians; reptiles; birds and mammals adaptation may lead										are adapted to suit
reptiles, birds and can explain that adaptation may lead										their environment in
mammals. adaptation may lead										
mannals adaptation may lead										can explain that
					mammals					



						C.E. Primary School
Evolution		 I can explain that 	· I can describe	\cdot $ m I$ can explain that	\cdot I can describe how	$\cdot \mathrm{I}$ can explain that
		most living things	simply how fossils	<mark>environments can</mark>	some animals and	the kinds of living
and		live in habitats which	are formed when	change and that this	<mark>plants reproduce</mark>	things that live on
Inheritance		suit them and depend on each other	things that have	sometimes means		the earth now are
		on each other • I can explain that	lived are trapped	that living things		different from those
		animals, including	within rock,	are put in danger		that inhabited the
		humans, have babies	\cdot I know the part			Earth millions of
		which grow into	that flowers play in			years ago and that
		adults.	the life cycle of			fossils provide this
			flowering plants,			information.
			including '			\cdot $ m \check{I}$ can explain that
			pollination, seed			living things produce
			formation and seed			offspring of the same
			dispersal			kind, but normally
						offspring vary and
						are not identical to
						their parents
						· I can give
						examples of how
						animals and plants
						are adapted to suit
						their environment in
						different ways and
						can explain that
						adaptation may lead
						to evolution.



	<u>Chemistry</u>											
Rocks and Soils	I can explore a range of materials and use them for a purpose when creating. I can describe a material and how it feels:	I can explore a range of materials and use them for a purpose when creating. I can describe a material and how it feels.	I can tell the difference between an object and the material from which it is made. I can name a variety of everyday materials; including wood; plastic, glass; metal, water, and rock. I can describe some everyday materials. I can make groups of materials based on what they are like.	· I can say why I would choose a material for a particular job	· I can explain that soils are made from rocks and organic matter. · I can describe simply how fossils are formed when things that have lived are trapped within rock. · I know that rocks can be grouped by their physical properties.			I can explain that the kinds of living things that live on the earth now are different from those that inhabited the Earth millions of years ago and that fossils provide this information				



								C.E. Primary School
Materials	I can explore	I can explore a	· I can tell the	. · I can say why I	·I can describe	\cdot I know which	\cdot I can compare and	
	a range of	range of	difference between	would choose a	simply how fossils	materials are solids,	group together	
	materials and	materials and	an object and the	material for a	are formed when	liquids or gases,	everyday materials	
	use them for	use them for a	material from	particular job.	things that have	including tricky ones	on the basis of their	
	a purpose	purpose when	which it is made.	· I can explain how	lived are trapped	like gels, foams,	properties, including	
	when	creating.	· I can name a variety of everyday	objects made from some materials can	within rock	mists and pastes.	their hardness,	
	creating.	I can describe a	materials, including	be changed, By	· I know that rocks	· I can explain that	solubility,	
	I can describe	material and	wood, plastic, glass,	squashing and	<mark>can be grouped by</mark>	some materials	transparency,	
	a material	how it feels.	metal, water, and	bending	their physical	change state when	conductivity	
	and how it	U	rock	o	properties.	they are heated or	(electrical and	
	feels.		· I can describe		-I can group	cooled	thermal), and	
			some everyday		materials based on	· I can correctly talk	response to magnets	
			materials.		whether they are	about the part	· I can explain that	
			· I can make		attracted to a	played by	some materials will	
			groups of materials		magnet	evaporation and	dissolve in liquid to	
			based on what they are like		0	condensation in the	form a solution, and	
			utey are use.			water cycle, and	describe how to	
						understand the link	recover a substance	
						between the rate of	from a solution.	
						evaporation and	· I can use	
						temperature.	knowledge of solids,	
							liquids and gases to	
							decide how mixtures	
							might be separated,	
							including by filtering,	
							sieving and	
							evaporating.	
							· I can give reasons,	
							based on evidence	
							from comparative	
							and fair tests, for the	
							particular uses of	
							everyday materials,	
							including metals,	
							wood and plastic.	
							· I can demonstrate	
							that dissolving,	
							mixing and changes	
							of state are	
							reversible changes.	
							· I can explain that	
							some changes result	
			1				some chariges result	



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				in the formation of new materials, and	
				new maieriais, and that this kind of	
				that this kind of change is not usually reversible, including changes associated with	
				usually reversible,	
				including changes	
				associated with	
				action of acid on	
				burning and the action of acid on bicarbonate of soda	
				Ü	
					4



Physics Physics								
Forces and Magnets I can expland talk about different forces that can feel (transport theme)		Physical Phy	· I know that things move differently on different surfaces. · I know some forces need contact between two objects, but magnetic forces can act at a distance. · I know how magnets attract or repel each other and attract some materials and not		· I can explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. · I can demonstrate the effects of air resistance, water resistance and friction, that act between moving surfaces. · I can show that	C.E. Primary School		
			others. I can describe magnets as having two poles. I can name some magnetic materials. I can explain when two magnets will attract and when they will repel. I can group materials based on whether they are attracted to a magnet.		some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.			



1 1.	I can test	t which I can name, draw		T 1 1 1 1 1 1	T	T. H. H. H.
Light				I know that light	· I can compare and	· I know that light
· ·	materials			s reflected from	group together	appears to travel in
	the light o		S	surfaces.	<mark>everyday materials</mark>	straight lines.
	most	body and say which part of the		I can explain that	<mark>on the basis of their</mark>	\cdot $\mathrm I$ can use the idea
		body is to do with	I	I need light in	properties, including	that light travels in
		each sense.	0	order to see things	their hardness,	straight lines to
			a	and that dark is the	<mark>solubility</mark> ,	explain that objects
			a	absence of light,	<mark>transparency,</mark>	are seen because
				I can explain that	conductivity	they give out or
			li	ight from the sun	(electrical and	reflect light into the
			C	can be dangerous	thermal), and	eye.
			a	and that there are	response to magnets	\cdot $ m I$ ca explain that
			l w	ways to protect		we see things
			e	eyes.		because light travels
				I know how		from light sources to
			s	shadows are		our eyes or from
			f	formed when the		light sources to
			ĺ	ight from a light		objects and then to
			s	source is blocked		our eyes.
			Ь	zy a solid objecti		\cdot I can explain that
				I know that there		light travels in
			a	are patterns in the		straight lines to
				way that the size		explain why
				of shadows change.		shadows have the
						same shape as the
						objects that cast
						them



	,			C.E. Filliary School
Electricity			\cdot I can talk about	\cdot I can show that
			common appliances	the brightness of a
			that run on	lamp or the volume
			electricity.	of a buzzer depends
			I know the scientific	on the number and
			symbols for parts of	voltage of celle used
			a circuit.	in the circuit
			\cdot I can explain that	\cdot I can compare and
			a switch opens and	give reasons for
			closes a circuit and	variations in how
			associate this with	components function,
			whether or not a	including the
			lamp lights in a	brightness of bulbs,
			simple series circuit.	the loudness of
			\cdot I know that some	buzzers and the
			materials are	on/off position of
			conductors and	switches.
			some are insulators,	\cdot I can draw a
			and can explain	diagram using
			that metals are good	recognised symbols
			conductors.	to represent a simple
				circuit.





				 	 	C.E. Primary School
Earth and	I can discuss	I know some	· I can explain		\cdot I can describe the	
	similarities	similarities and	<mark>changes through</mark>		movement of the	
Space	and	differences	<mark>autumn, winter</mark> ,		Earth, and other	
	differences	between the	spring and summer.		planets, relative to	
	between the	natural world	· I can describe the		the Sun in the solar	
	seasons:	around them and	weather in autumn,		system.	
		contrasting	winter, spring and		· I can describe the	
		environments,	summer and that			
		drawing on their	the days get longer		movement of the	
		experiences and	and shorter		Moon relative to the	
		what has been			Earth	
		read in class			\cdot I can describe the	
		T 1 1 1			Sun, Earth and	
		I understand			Moon as	
		some important			approximately	
		processes and			spherical bodies.	
		changes in the natural world			·I can explain day	
		around them,			and night, and the	
		including the seasons and			apparent movement	
					of the sun across the	
		changing states of matter:			sky, using the idea of	
		of matter.			the Earth's rotation.	
		I can discuss				
		similarities and				
		differences				
		between the				
		seasons.				
Yellow = objectives	Crom. other units					

Yellow = objectives from other units Red Objectives - Matha skilla



					C.E. Primary School			
Progression in Scientific Vocabulary								
Nursery								
Reception								
Year I	Animals including Humans Amphibians, birds, fish, mammals, reptiles, identify, sort, group, omnivore, carnivore, herbivore, diet, senses, sight, hearing, touch, taste, smell.	Materials Glass, metal, rock, plastic, wood, transparent, opaque, materials, stiff, soft, shiny, rough, bendy, stretchy, absorbent, water, smooth, waterproof, dull, hard.	Plants and Trees Wild plants, garden plants, weed, deciduous, evergreen, cedar, horse chestrut, oak, roots, stem, leaves, flowers, petals, fruit, seed, bulb, grow, insects, birds, water, sunlight, petals, soil, plants,		g, summer, weather, daylight, months, e, daytimes, colder, warmer, changes.			
Year 2	Animals including Humans Offspring, grow, adults, survival, water, food, air, exercise, hygiene, nutrition, reproduce, egg, chick, chicken, caterpillar, pupa, butterfly, spawn, tadpole, frog, lamb, sheet, baby, toddler, child, teenager, adult.	Properties of Materials Materials, suitability, properties, behaves, purpose, squash, bend, twist, stretch, properties, wood, glass, plastic, metal, paper, cardboard, fabric, rubber, waterproof, transparent, hard, smooth, strong, weak, flexible, hard-wearing, absorbent, opaque,	Plants Germination, water, swells, plant, sprout, shoots, upwards, sunlight, seed dispersal, parent plant, wind, animals, dies, seed, bean, leaves, flowers, fruit, water, germinate, temperature, nutrition.	ife processes, dead, never living, sources, is eaten by, habitat, micr	the, sense, grow, babies, waste, energy, living, metal, plastic, rock, food chain, depend, food rohabitat, depend, survive, alive, woodland, esert, ocean, river, mountain, short grass,			
Year 3	Animals Including Humans Healthy, good condition, physical condition, mental condition, nutrients, substances, living things, alive, healthy, energy, strength, move, grow, saturated fats, fats, unhealthy, healthy, unsaturated fats, vitamins, minerals, carbohydrates, protein, fibre, fats, vitamins, minerals, water, vertebrate, invertebrate, muscles, tendons, joints, bones, movements, protection, support, skeleton, skeletal muscles, contract, relax, endoskeleton, exoskeleton, hydrostatic skeleton, skull, clavicle, ribcage, vertebra	Rocks and Soils Igneous rock, magma, lava, sedimentary rock, layers, sediment, metamorphic rock, pressure, heat molten, underground, natural, solid, water, wind, permeable, liquid, impermeable, obsidian, chalk, marble, brick, granite, sandstone, quartzite, concrete, basalt, limestone, slate, coade stone, density, fossilisation, palaeontology, fossils, erosion, permeates, erodes, minerals, air, water, organic matter, topsoil, subsoil, bedrock,	Plants Roots, stem, leaves, flowers, nutrients, petals, stem, pollinators, evaporation liquid, gas, water, transport, evaporates, evaporation, stuck, light, air, grow, fertilisation, stamen, carpel (pistil), sepal, pollination, germination, seed dispersal, anther, filament, stamen, sepal, ovule, ovary, style, stigma, carpel, seed formation, shaking, dropping, carrying, eating, bursting.	Light Light, travel, wave, light source, dark, reflection, process, surface, reflect, bonce, reflective, ray, light rays, beams, mirrors, smooth, shiny, lat, surface, rough, uneven, surface, eye, pupil, retina, shadow, opaque, translucent, transparent, shadow, midday, sunset	Forces and Magnets Forces, friction, surface, layers, pushes, pulls, roughness, surface, grass, gravel, sand, road, motion, movement, magnet, magnetic, magnetic field, poles, repel, attract.			



				T	C.E. Primary School
	column, ulna, radius, scapula, humerus, pelvis, femur, tibia, fibula.				
Year 4	Electricity Electricity, generate, produce, renewable, non-renewable, appliances, battery, energy, generate, lightening, static electricity, natural, coal, oil, fossil fuels, soar panels, nuclear energy, plug, circuit, flow, wire, buzzer, bulbs, switches, power supply, positive, negative, insulator, conductor, electric currenti	States of Matter Solids, liquids, gases, water vapour, evaporates, water vapour, boiling, melting, freezing, temperatures, structure, condense, precipitation, condensation, evaporation, surface, weather.	Sound Vibration, sound wave, volume, amplitude, pitch, low sound, high, sound, loud, quiet, lower pitch, higher pitch, high note, low note, ear, particles, distance, soundproof, absorb sound, vacuum, eardrum, waves, gas particles, solid particles.	Animals including Humans Digest, oesophagus, stomach, small intestine, large intestine, rectum, human teeth, functions, incisors, canine, molar, premolar, mouth, tongue, salivary gland, liver, gall bladder, duodenum, pancreas, anus, animal teeth, eating, herbivore, carnivore, omnivore, food chain, flow of energy, producer; prey, predator, primary consumer, secondary consumer, tertiary consumer, tooth decay, sugary food an drink, brushing, fluoride toothpaste, dentist	Living Things and their Habitats Environment, flowering, non-flowering, plants, animals, vertebrate, dangers, fish, amphibians, reptiles, birds, mammals, invertebrates, snails, slugs, worms, spiders, insects, plants, flowering plants, non-flowing plants, mosses, fems, nature reserves, ecologically planned parks, garden ponds, population, development, litter, deforestation.
Year 5	Properties and Changes of Materials Properties, hardness, solubility, transparency, electrical conductor, thermal conductor, response to magnets, dissolve, solution, separate, separating, solids, liquids, gases, evaporating, reversible changes, dissolving, mixing, evaporation, filtering, sieving, melting, irreversible, new material, burning, rusting, magnetism, electricity, chemists, quantitative, measurements, conductivity, insulation, chemical, Properties and Changes of Materials	Forces Pushes, pulls, gravity, mass, earth's gravitational pull, weight, moon, solar system, weight, kilograms, friction, air resistance, water resistance, buoyancy, streamlined, mechanism, upthrust, pulleys, gears, cogs, levers.	Living Things and their Habitats Asexual reproduction, fertilise, gestation, pregnancy, life cycle, metamorphosis, pollination, reproduction, sexual reproduction, humans, amphibians, butterflies, birds, male and female sex cells, beating heart, sperm, male sex cell, female sex cell, born, fertilise.	Earth and Space Earth, Sun, Moon, planets, star, solar system, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, dwarf planet, movement, rotate, orbit, axis, celestial body, spherical, sphere, day, night, light, heat, eclipse, satellite, universe, solar, astronomer, Alhazen, Copernicus, shadow clock, sundial.	Animals Including Humans Human, development, baby, toddler, child, teenager, adult, puberty, gestation, length, mass, grows, grow, growing, human life, cycle, changing, conceive, female egg, embryo, growth, nutrients, 9 months, growth, developing,
Year 6	Living Things and their Habitat Characteristics, classify, taxonomist, key, appearances, groups, warm blooded, bacteria, microorganism, microscope, species, reproduce, fertile, mould, yeast, dust mites, plants,	Light Light source, reflection, incident ray, reflected ray, the law of reflection, light waves, sunlight light ray, incidence, incident ray, angle of incidence, light travels,	Animals including Humans Circulatory system, heart, blood wessels, oxygenated blood, deoxygenated blood, weins, arteries, transporting, oxygen, transferred, capillaries, heart,	Electricity Circuit, symbol, cell/battery, current, amps, voltage, resistance, electrons, indicator, lamp/bulb, lighting, wire, motor, buzzer, switch open, switch	Evolution and Inheritance Offspring, inheritance, variations, characteristics, adaptations, habitat, environment, inherited traits, evolution, natural selection, fossil, adaptive traits.



				C.E. Tilliary Scriool
phytoplankton, penicillium, virus,	vacuum, airless space, eyes, beams	body, pump, exchange, water,	closed, brighter, louder,	
food poisoning, Domain: Eukarya,	of light, refraction, visible	<mark>nutrients, carbon dioxide,</mark>	components	
Kingdon: Animalia, Phylum:	spectrum, prism, shadow.	<mark>chambers, drug, alcohol, plasma</mark> ,		
Chordata, Class: Mammalia, Order:	transparent, translucent, opaque,	red blood cells. White blood		
Carnivora, Family: Canidae, Genis:	light bends, travelling.	cells, platelets, infection, negative		
Canis, Species: Lupus.		effects, water, protein, gases,		
		nutrients, waste products,		
		exercise, muscles, circulation,		
		brain chemicals, bones, illness.		